

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s) : Guillermo J. TEARNEY et al.  
Serial No. : 10/765,430  
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For : SYSTEM AND METHOD FOR IDENTIFYING TISSUE USING  
LOW-COHERENCE INTERFEROMETRY  
Examiner : Eric Frank Winakur  
Art Unit : 3768  
Confirmation No. : 1546

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AFTER FINAL OFFICE ACTION**

Sir:

This paper is filed in response to Final Office Action dated December 11, 2009. Initially, please amend the above-identified application as set forth below.

**In The Claims:**

Please cancel claims 2, 36 and 40 without prejudice, and amend claims 1, 11, 18, 19, 23-25, 30, 31, 33 and 44, as provided below in the associated claim listing on separate sheets: